



**Public Works Department
Engineering Services Division**

415 Diamond Street
Redondo Beach, California 90277
www.redondo.org

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TRAFFIC CALMING - SPEED CUSHION INSTALLATION APPLICATION PROCESS

1. Petition

Residents may begin the petition process for installation of speed cushions by requesting a “Traffic Calming – Speed Cushion Petition” form from the Traffic Engineer. A petition form will be supplied if the proposed speed cushion location is not on one of the predetermined “Exemption Routes” or is otherwise not technically allowable on the block in question. Due to limited funding, the City will only commit resources towards investigating and processing the speed cushion installation request upon receiving the completed petition, which must satisfy the following criteria:

1. At least two-thirds of the residents within the block affected have signed the petition in favor of installing a speed cushion on the street in question.
2. Each signature must be identified by a corresponding typed or printed name, address, and telephone number.
3. Only one vote is permitted per dwelling unit for purposes of tallying the two-thirds majority.
4. The two-thirds majority vote must also constitute no less than 50% of the developed frontage or side-yard of the block submitted for the proposed speed cushion.
5. If the petition includes the address of a large scale complex (such as an apartment or school), the residents must obtain the signature of the principal of the affected school or the owner of the complex for that property to be included as a valid vote.

2. Installation Criteria

The following criteria shall be considered in evaluating a location for the possible installation of speed cushions. Should the criteria not be met, subsequent requests will not be considered for a minimum of one year.

1. *Engineering Study/Speed Survey*
Speed cushions shall only be installed to address documented safety or traffic concerns supported by traffic engineering studies, and after consideration of alternative traffic control measures. Potential impacts such as traffic diversion, noise and general roadway discomfort of traversing a vertical deflection type device should be taken into consideration.
2. *Street Type*
Speed cushions shall only be installed on local neighborhood residential streets. Some residential streets have been identified by the Fire Department as critical access routes, and therefore will

not have speed cushions installed. The emergency access routes and the non-residential streets are identified as being exempt from speed cushion installation, and are shown on Figure 1.

3. *Number of Lanes*

Speed cushions shall only be used on streets with no more than one travel lane in each direction.

4. *Street Grades*

Speed humps shall only be used on streets with grades of 8% or less (per the recommendation of the Institute of Transportation Engineer's Study on speed humps – grades steeper than 8% increase the braking distance thereby resulting in unsafe faster travel over the speed hump).

5. *Street Alignment*

Speed cushions shall only be placed on horizontal curves with a centerline radius that is equal to or greater than 300 feet, or on vertical curves with more than the minimum stopping sight distance.

6. *Speed limit*

Speed cushions shall only be installed on streets where the posted or prima facie speed limit is 25 mph or less.

7. *Speed Survey*

Speed cushions shall only be installed at locations where a 24-hour speed survey indicates that the 85th percentile speed exceeds the posted speed limit by 7 mph or more (85th percentile speed 32mph+).

8. *Traffic Volumes*

Speed Cushions should only be considered for installation on residential streets with an average daily traffic volume between less than 3000 vehicles per day.

9. *Not on Exemption Routes*

Speed Cushions shall only be installed on streets without fixed transit routes or not designated as Emergency (Fire) Access Routes.

3. Approval Process

1. When the Engineer determines the street segment requested for speed cushion installation qualifies for speed cushions, he will refer the recommendation of the street segment for speed cushion installation to the Public Works Commission.
2. The Public Works Commission will then conduct a public meeting for said speed cushion installation. Notice of such public meeting shall be mailed to the property owners and to the occupants of each parcel on and adjacent to the street segment recommended for speed cushion installation.
3. The Public Works Commission will submit a recommendation (whether it be an approval or denial of the requested speed cushion) to the City Council. Opposition to the decision should be appealed to the City Council prior to the City Council's decision. The appeal may be a petition or written letter (or digital correspondence) delivered to the City Clerk's office or the Traffic Engineer.
4. The City Council will adopt a resolution for implementation upon approving the installation of a speed cushion.

5. The proposed speed cushion will begin the design and implementation phase once City Council has appropriated sufficient funding to cover costs. If funding is not immediately available, the approved speed cushion segment would be placed on a priority list waiting for the next available funding source.

4. Removal Process

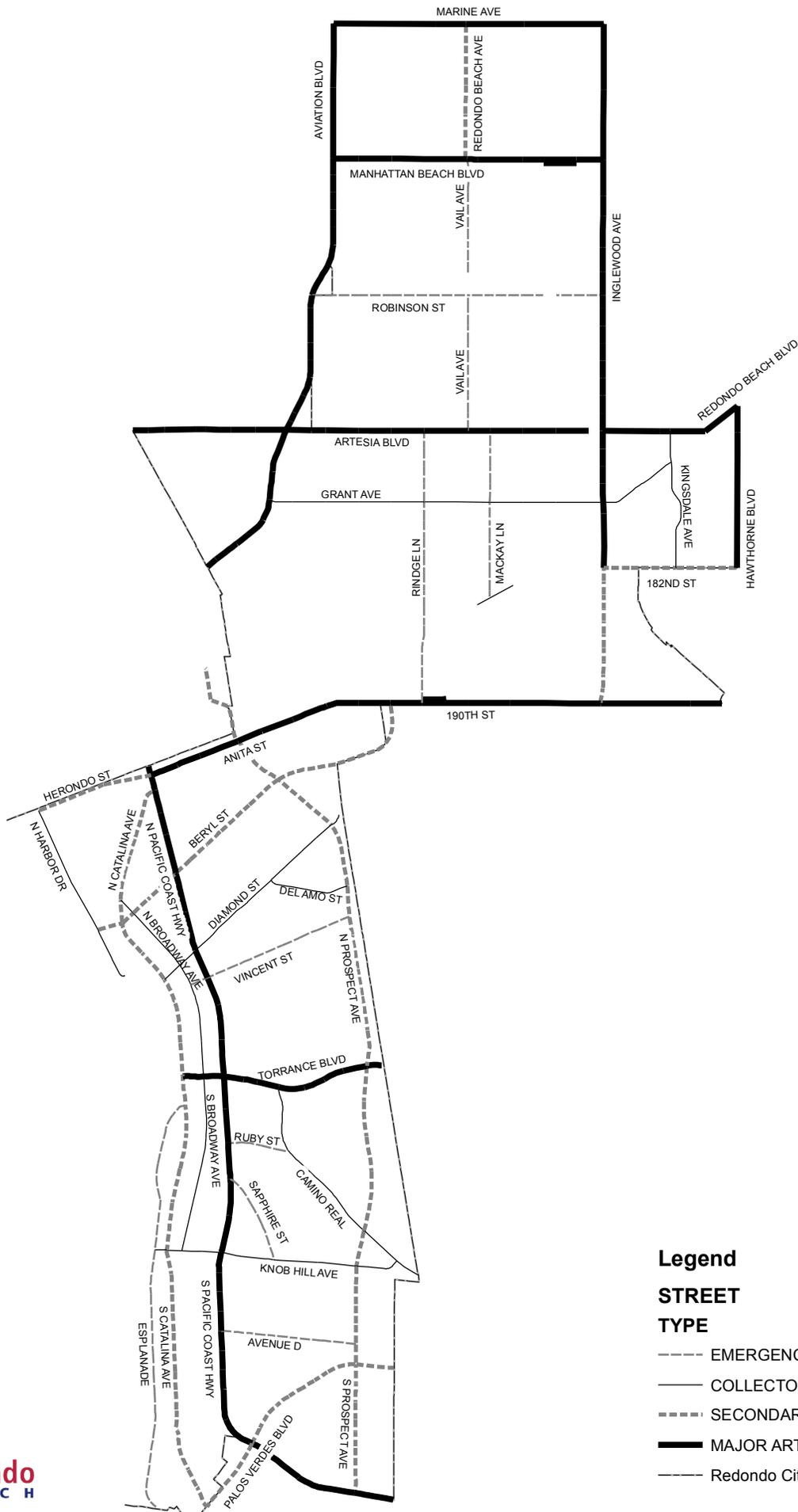
1. The Traffic Engineer will supply a petition, upon request from a resident, to remove a speed cushion. The petition shall satisfy the same criteria within Part 1, #1 – 5 of this document.
2. When the Traffic Engineer determines the petition requesting removal of a speed cushion qualifies, he will refer the petition for removal of the speed cushion to the Public Works Commission. The Traffic Engineer's staff report shall include recent speed and traffic volume data, collected within the previous 9 months, about the neighborhood. The speed and traffic volume data will exclude school summer vacation months.
3. The Public Works Commission will then conduct a public meeting for said speed cushion removal. Notice of such public meeting shall be mailed to the property owners and to the occupants of each parcel on and adjacent to the street segment recommended for the speed cushion removal.
4. The Public Works Commission will submit a recommendation (whether it be an approval or denial of the removal of speed cushion) to the City Council. Opposition to the decision should be appealed to the City Council prior to the City Council's decision. The appeal may be a petition or written letter (email) delivered to the City Clerk's office and the Traffic Engineer.
5. The City Council will adopt a resolution upon approving the removal of a speed cushion.

Any inquiries can be directed to:

City Traffic Engineer
415 Diamond Street, Door 2
Redondo Beach, CA. 90277
(310) 318-0661



NOT TO SCALE



Legend

STREET TYPE

- EMERGENCY FIRE ACCESS ROUTE
- COLLECTOR STREET
- SECONDARY ARTERIAL
- MAJOR ARTERIAL
- Redondo City Limit



7/26/2005